Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/21/2017 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124321	-1	1.30	124074	1.27
Blue	F	SSC	125000	123072	-2	3.22	123198	2.97
Blue	E	FITC	23615	22819	-4	2.38	1018	10.24
Blue	D	PE	26739	26344	-2	1.94	946	9.77
Blue	B	PerCP-Cy5-5	48339	47286	-3	3.39	1356	16.84
Blue	A	PE-Cy7	45021	44912	-1	5.20	691	34.72
Red	C	APC	53064	51990	-3	2.83	2984	9.38
Red	A	APC-Cy7	57175	56256	-2	2.81	1175	11.18
Violet	B	V450	14728	14170	-4	5.49	676	9.76
Violet	A	V500	58621	56883	-3	5.41	2519	7.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19237	2.44	607	-7	N/A	N/A	Pass
Blue	F	SSC	60974	1.44	543	-3	N/A	N/A	Pass
Blue	E	FITC	112	38.37	543	-5	0.0205	97	Pass
Blue	D	PE	207	28.51	534	-2	0.1567	212	Pass
Blue	B	PerCP-Cy5-5	212	44.48	630	-5	0.0102	82	Pass
Blue	A	PE-Cy7	75	117.05	689	-4	0.0125	16	Pass
Red	C	APC	348	27.77	596	-1	0.0210	95	Pass
Red	A	APC-Cy7	129	40.07	578	-2	0.0056	1611	Pass
Violet	B	V450	82	42.60	463	-7	0.0470	1980	Pass
Violet	A	V500	183	22.16	490	-7	0.0164	486	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.05	-31.50	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.55	14.40 - 21.60	N/A	N/A	31.16	31.67	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10330

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments